

Simple Ground Equipment & Services

The Marshaller



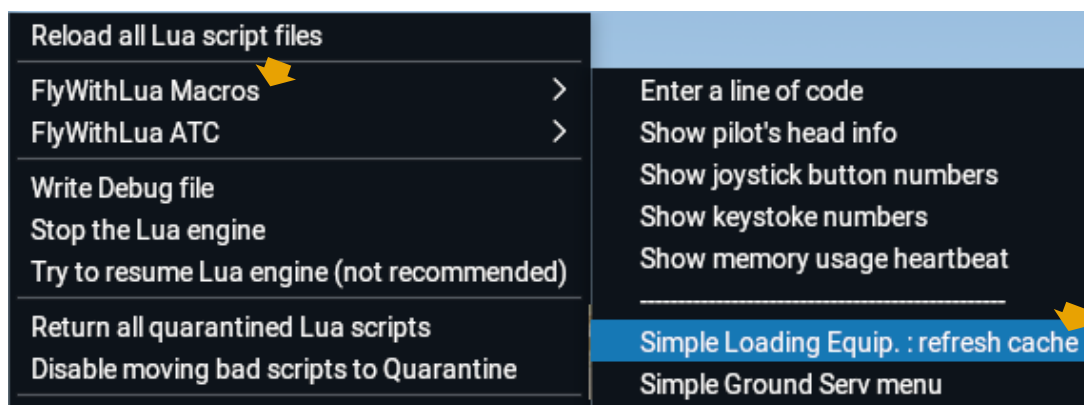
Using the Simple Ground Equipment & Services marshaller

It may happen you didn't get Autogate or SAM plugins, or their marshallers and docking systems may be unavailable at your place. Still we would like to avoid going into an external view to park precisely on the lines. To do so we need to target the intended nose gear position beforehand.

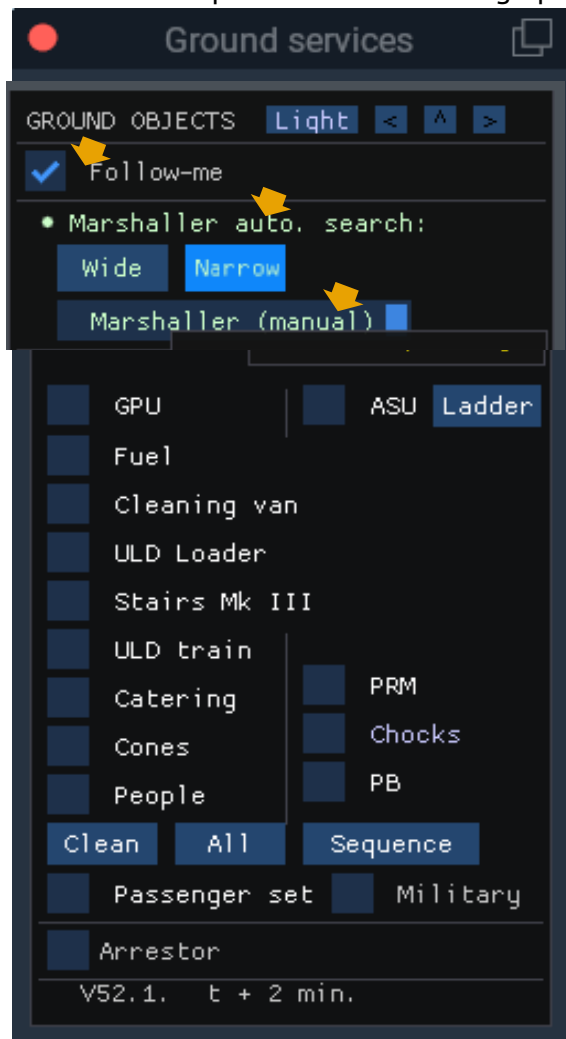
- We do so either :
 - automatically from x-plane airport definitions (not always accurate)
 - or manually from our flight deck through the windshield.

It's a good idea to **regenerate SGES airport cache** after installing a new scenery, especially a scenery inside the Custom Scenery Folder, otherwise the marshaller won't see it.

Go to Plugin → FlyWithLua → Macros → refresh cache



The different options available in the graphical menu are:



"Follow-me" : requesting a car is required to display a marshaller afterwards. The follow-me will truly help you lining your aircraft, your parking position and the car.

Automatic modes :

Press **"Wide"** to look for the stands available around you. You can then browse through the detected stands to select one of them.

Alternatively the button **"Narrow"** restricts the search for stands in a very much smaller area around your aircraft. Please always prefer a "wide" search than a "narrow" one.

"Marshaller manual" : the manual mode. This slider help you visually designate and lock a stopping point using a 3D targeting blue arrow.



Tutorial

- 1) Open the SGES menu and **display the follow-me car**. Taxi very slowly into position.



- 2) To capture your parking position
 - in automatic mode, press **“Wide”** to look for the stands available around you. You can then browse through the detected stands to select one of them.

However, the visual capture can be more accurate than relying on the Gateway airport definition files.

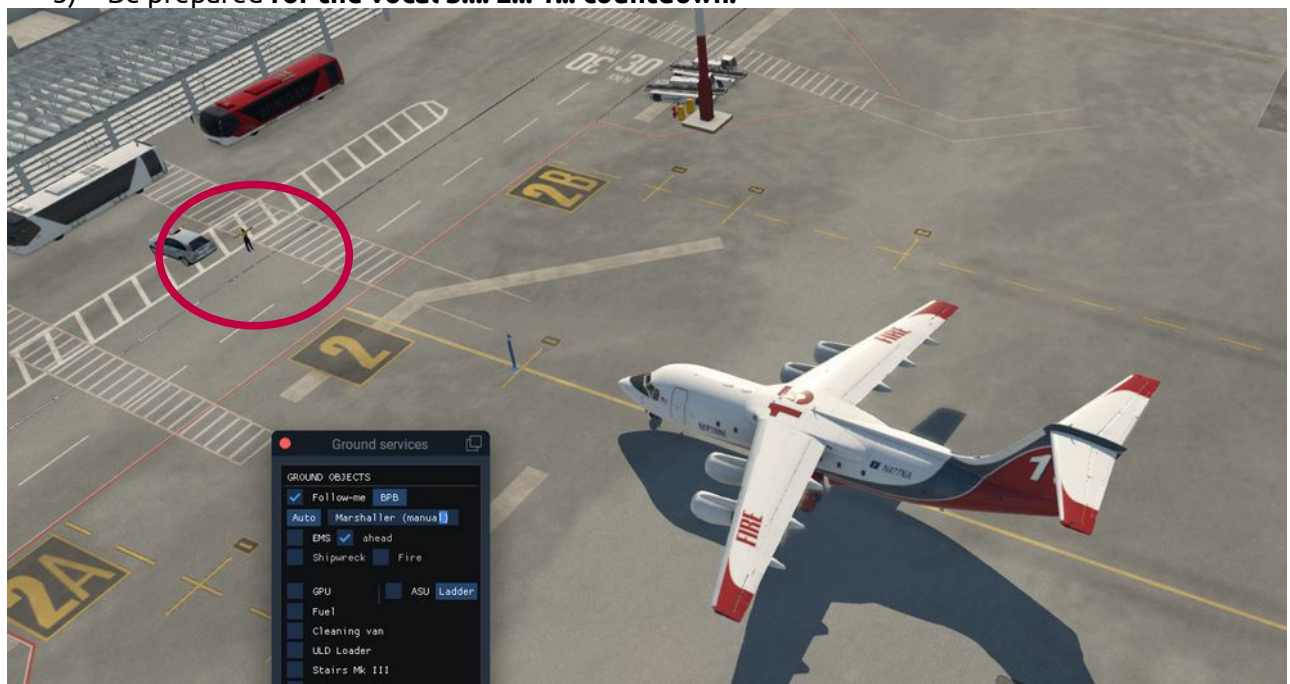
- in manual mode, capture your stand position visually by pressing **« Marshall manual »** in the menu. Slide the blue arrow longitudinally until it is collocated with the target stopping point.



- 4) Continue rolling toward the final parking position. The Follow-me car will stop, a marshaller will step down. We use Paul Mort 3D Marshaller from "the Org".



- 5) Be prepared for the vocal 3... 2... 1... countdown.



- 6) After the countdown, the marshaller will call « Stop ».
When the marshalling hand-pads lights turn red, you have reached your captured parking position.



7) You should end up very nicely, without the need to leave the flight deck to stop precisely on marks.



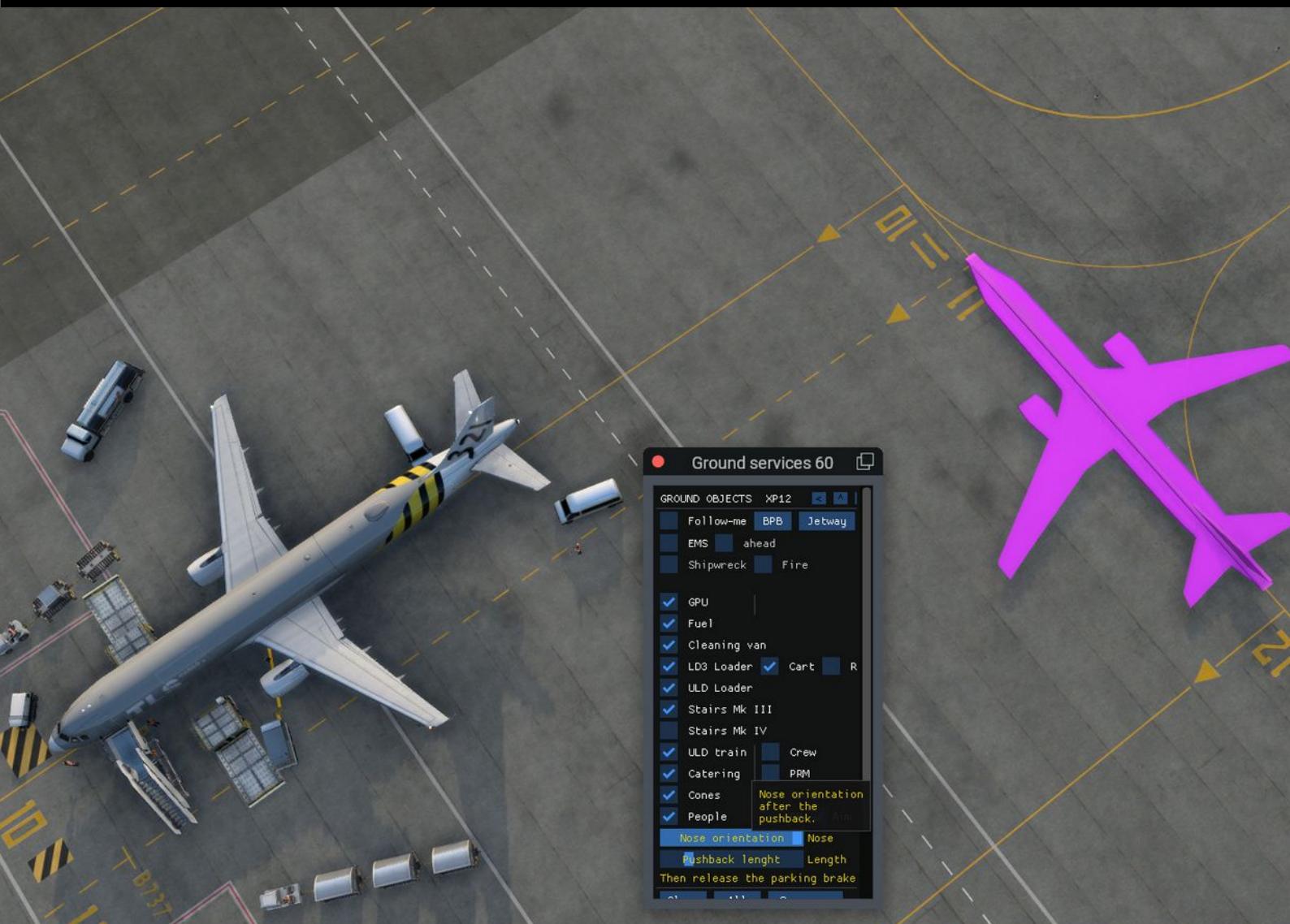
8) To finish, turn the beacon off to conclude the sequence to dismiss the guy.



Recycle the follow-me car as needed to get a new marshaller.

Simple Ground Equipment & Services

The Pushback



The Pushback

SGES v60 and above.

Since SGES v60 three pushback modes exists :

I- Semi-Auto (added in SGES 16)

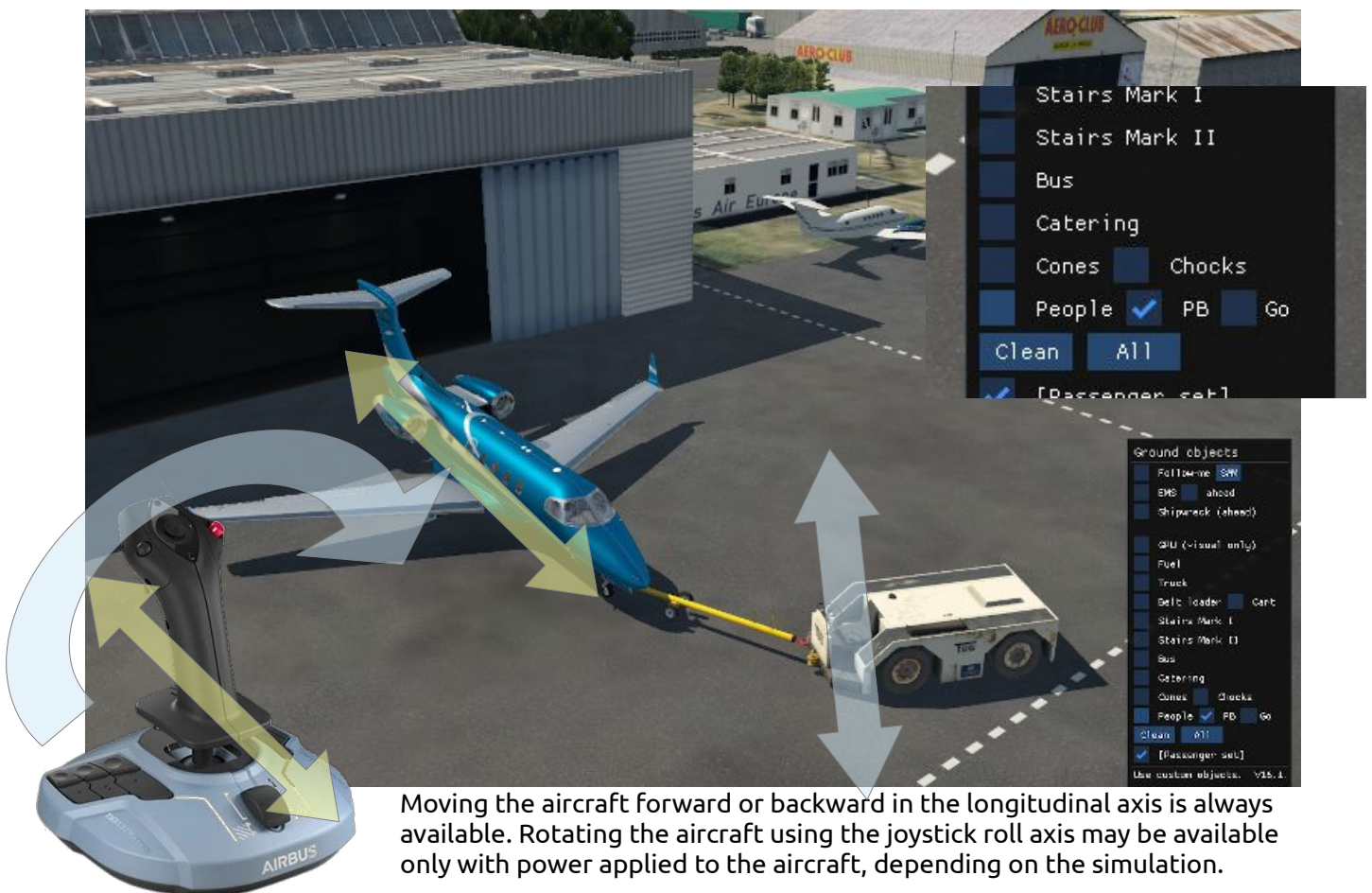
- 1) Release the parking brake
- 2) press "PB"
- 3) The aircraft is now pushed back. (Ensure "Go" is selected if the push does not start).

You roll axis can slightly change the direction of push.

- 5) Depress "PB" to release the push-back tractor.

II- Full manual mode (added in SGES 16)

- 3) Release the parking brake
- 4) press "PB"
- 3) deselect "Go"
- 4) Your pitch and roll axis control the tractor.
- 5) Depress "PB" to release the push-back tractor.



III - Fully automatic (added in SGES 60)

Calibrated in X-Plane 12 beta 14. Using any other X-Plane version may end up in missaligned pushback positions, as the pushback is very dependent of the ground behavior. Deactivated for X-Plane 11.

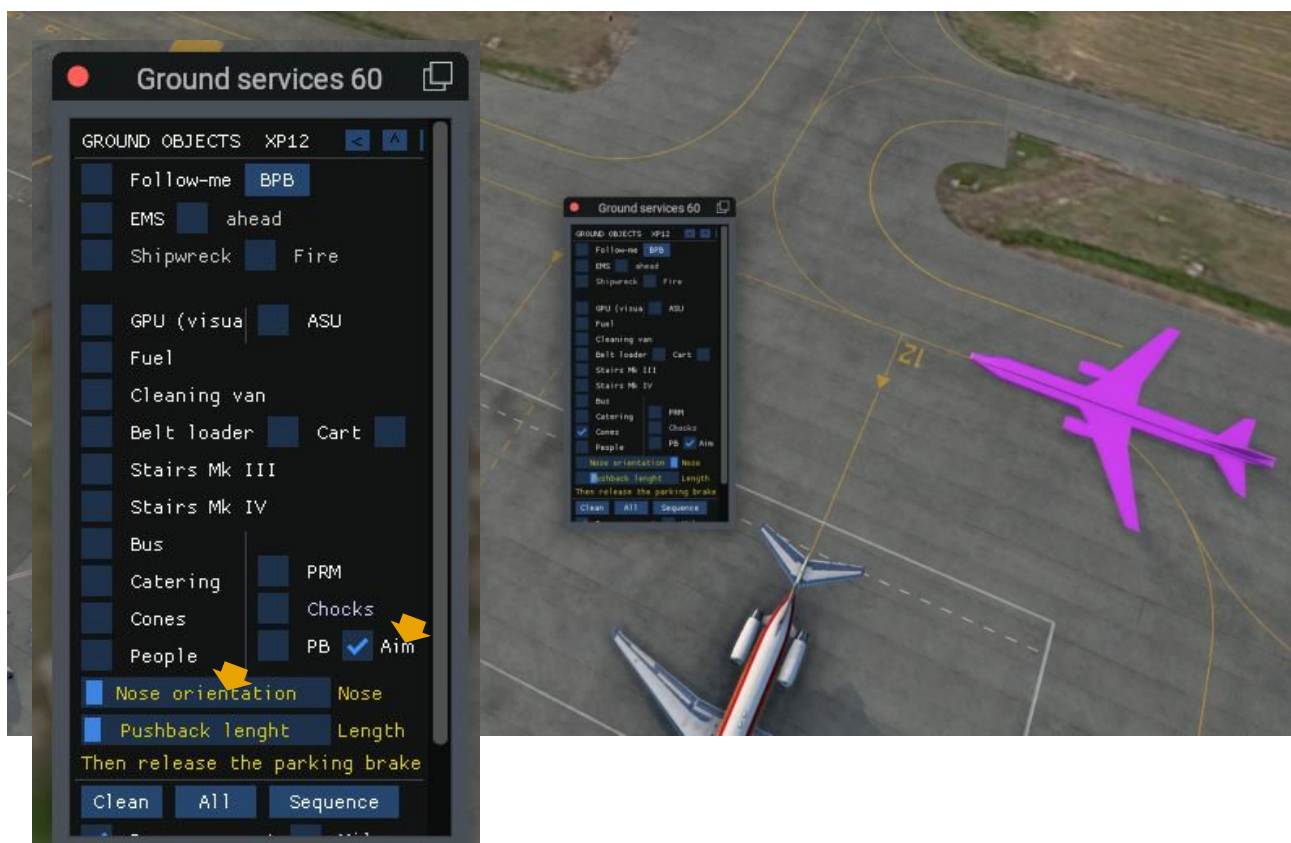
A fully automatic pushback is available since SGES 60. The user designates a position and the pushback truck will bring the aircraft to it, autonomously, while the user starts the engine(s).

- ✓ *manual pushback using the joystick is still available as before by ticking "PB" in the menu then using the stick to influence the path*
- ✓ *auto-travelling pushback is still available : tick "PB" then tick "Go", and the pushback is pushing you backward until "Go" is manually unticked by the user.*

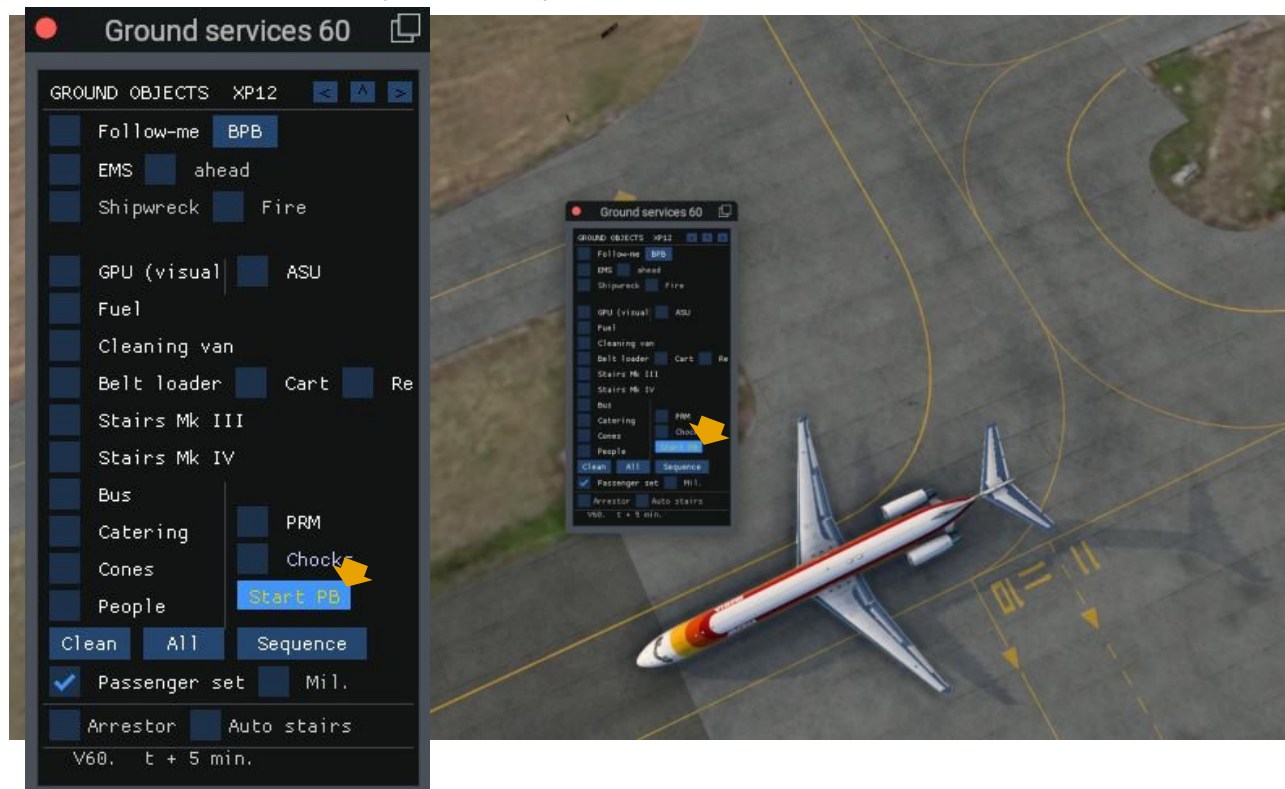
1/ When the parking brake is set the box "Aim" is available, near the pushback box titled "PB".

Tick the box "Aim" to aim at your intended position after push-back.

- ✓ The view will change to get a better view from above the aircraft.
- ✓ Use the two sliders to set the distance and angle to push.
- ✓ Visually adjust the final position with the magenta aiming cue. The aiming cue represents a Boeing 737-800 footprint on ground.



2/ Release the parking brake. This offers a new button, dedicated to start the automatic push-back. Press the button when you are ready to start the pushback.



3/ Wait for the pushback operation.

- ✓ If you need to pause the pushback progress, temporarily set the parking brake to ON.
- ✓ As with the other modes (manual and semi-automatic), the pushback is indicated active in the menu. "PB" and "Go" are both ticked indeed. However, use those boxes at this point **only if you need to abort the automatic pushback**. Otherwise, touch nothing.

You can go back to the cockpit and focus on the engine start sequence and related actions.

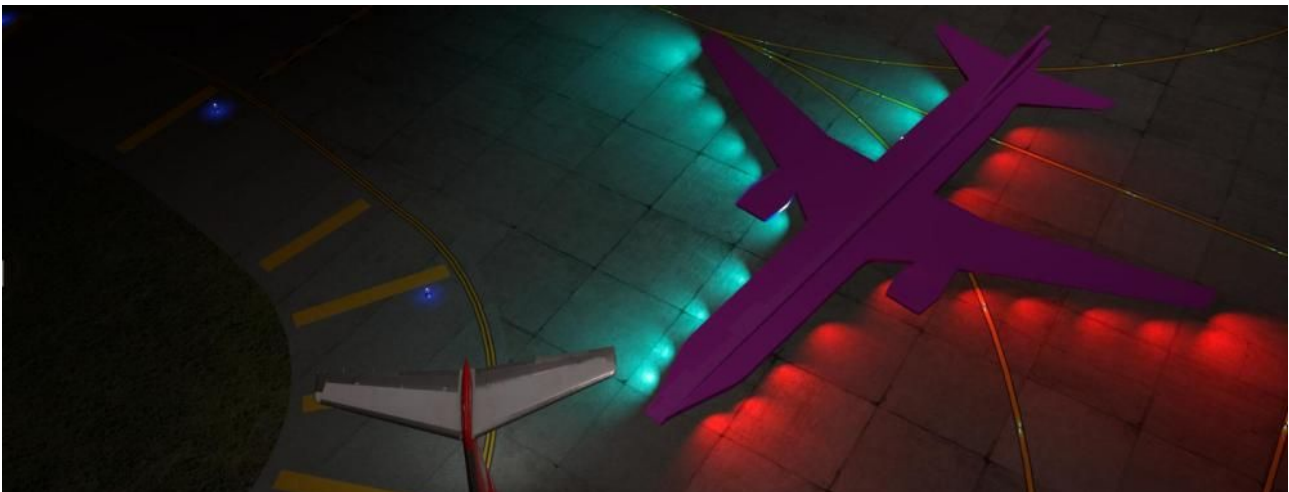


4/ The pushback is complete. Set the parking brake when you are ready to do so. This will disconnect the pushback truck.



Remarks

At night, the aiming cue is illuminated to help targeting the position.



As of SGES 60, this function is active for the airliners only and SGES menu will not show it for smaller aircraft. For those, the legacy pushback modes are of course available.

